UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/558,899	12/02/2005	Gyu Chul Yi	1751-391	6129
	7590 07/17/200 FIGG, ERNST & MAN		EXAM	IINER
1425 K STREE SUITE 800		,	PHAM, LONG ART UNIT PAPER NUMBER	
WASHINGTO	N, DC 20005			
		2814		
			NOTIFICATION DATE	DELIVERY MODE
			07/17/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-PAT-Email@rfem.com

	Application No.	Applicant(s)	
	10/558,899	YI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Long Pham	2814	
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet v	vith the correspondence addre	ss
A SHORTENED STATUTORY PERIOD FOR REI WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perion of the period for reply within the set or extended period for reply will, by static Any reply received by the Office later than three months after the material patent term adjustment. See 37 CFR 1.704(b).	E DATE OF THIS COMMUN R 1.136(a). In no event, however, may a iod will apply and will expire SIX (6) MC atute, cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this comm ABANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 15 2a) This action is FINAL . 2b) T 3) Since this application is in condition for allow closed in accordance with the practice under	his action is non-final. wance except for formal ma	•	erits is
Disposition of Claims			
4) ☐ Claim(s) 1-15 is/are pending in the applicating 4a) Of the above claim(s) 9-15 is/are withdrastic 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4 is/are rejected. 7) ☐ Claim(s) 5-8 is/are objected to. 8) ☐ Claim(s) are subject to restriction and are subject to restriction and are subject to restriction and are subjected to by the Exame 10) ☐ The drawing(s) filed on is/are: a) ☐ a Applicant may not request that any objection to the subjection to the su	awn from consideration. d/or election requirement. niner. accepted or b) □ objected to	-	
Replacement drawing sheet(s) including the corr	·	- · · · ·	, ,
11) The oath or declaration is objected to by the	Examiner. Note the attache	ed Office Action or form PTO-	152.
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreit a) All b) Some * c) None of: 1. Certified copies of the priority documed 2. Certified copies of the priority documed 3. Copies of the certified copies of the papplication from the International Burn * See the attached detailed Office action for a light series.	ents have been received. ents have been received in oriority documents have been received in the control of the	Application No n received in this National Sta	ge
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application 	

Application/Control Number: 10/558,899 Page 2

Art Unit: 2814

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Dobson et al. (WO 94/00885).

With respect to claim 1, Dobson et al. teach a contact fabric using a heterostructure of metal/semiconductor nanorods, the contact fabric comprising (see figs. 3-5 and associated text):

semiconductor nanorods 21 grown on a predetermined base material 11; and metal deposited 20 on predetermined portions of the semiconductor nanorods, wherein there is inherently a low contact resistance ohmic characteristic or a rectifying Schottky characteristic between the nanorods and the metal depending on characteristics of interfaces between the nanorods and the metal and depending on the difference between work functions. See abstract and associated text.

With respect to claim 3, Dobson et al. further teach the nanorods and the contact fabric have a diameter less than 500 nm. See the abstract.

With respect to claim 2, Dobson et al. further teach the contact fabric can be used in a light emitting device.

With respect to claim 4, Dobson et al. further teach the nanorod is a semiconductor made of silicon.

Response to Arguments

Applicant's arguments with respect to claims 1-4 have been considered but are moot in view of the new ground(s) of rejection.

Allowable Subject Matter

Application/Control Number: 10/558,899 Page 3

Art Unit: 2814

Claims 5, 6, 7, and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Long Pham whose telephone number is 571-272-1714. The examiner can normally be reached on Mon-Frid, 10am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on 571-272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Long Pham
Primary Examiner
Art Unit 2814

/Long Pham/
Primary Examiner, Art Unit 2814